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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/831,218	12/11/2001	Seungyup Paek	32283-PCT-USA (070050.153	1456

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21003	7590	08/24/2005	SHEPARD, JUSTIN E

BAKER & BOTTS
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NEW YORK, NY 10112

ART UNIT	PAPER NUMBER
2617	

DATE MAILED: 08/24/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 10/03)

	Application No.	Applicant(s)
Office Action Summary	09/831,218	PAEK ET AL.
	Examiner	Art Unit	
	Justin E. Shepard	2617	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE _3_ MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☐ Responsive to communication(s) filed on _____.

2a)☐ This action is **FINAL**.   2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) _1-75_ is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) _1,3-25 and 27-75_ is/are rejected.

7)☒ Claim(s) _2 and 26_ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☒ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on _12/11/2005_ is/are: a)☐ accepted or b)☒ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All   b)☐ Some * c)☐ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☒ Notice of References Cited (PTO-892)

2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3)☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _8/16/01_.

4)☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .

5)☐ Notice of Informal Patent Application (PTO-152)

6)☐ Other: _____.

DETAILED ACTION

Drawings

1.   The drawings are objected to because in figure 8, parts 231, 241, 251, 261, 271,
and 281: should read "MPEG" and not "MPEC". Corrected drawing sheets in
compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid
abandonment of the application. Any amended replacement drawing sheet should
include all of the figures appearing on the immediate prior version of the sheet, even if
only one figure is being amended. The figure or figure number of an amended drawing
should not be labeled as "amended." If a drawing figure is to be canceled, the
appropriate figure must be removed from the replacement sheet, and where necessary,
the remaining figures must be renumbered and appropriate changes made to the brief
description of the several views of the drawings for consistency. Additional replacement
sheets may be necessary to show the renumbering of the remaining figures. Each
drawing sheet submitted after the filing date of an application must be labeled in the top
margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If
the changes are not accepted by the examiner, the applicant will be notified and
informed of any required corrective action in the next Office action. The objection to the
drawings will not be held in abeyance.

Specification

2.   This application does not contain an abstract of the disclosure as required by 37
CFR 1.72(b). An abstract on a separate sheet is required.

The disclosure is objected to because of the following informalities:

On page 5, line 28: the word "on" should be replaced with "one".

On page 38, line 22: part 408 is not shown in figure 13.

Appropriate correction is required.

Claim Objections

3.   Claims 2 and 26 objected to because of the following informalities: The phrase

"and extraction processing" is not necessary as this is already stated in the claim.

Appropriate correction is required.

Claim 24 is objected to because of the following informalities: The phrase "said

video object processing" lacks antecedent basis. Appropriate correction is required.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1, 3-21, 23-25, 27-46, 48-67, and 69 are rejected under 35 U.S.C. 103(a)

as being unpatentable over Palmer in view of MPEG-7 Requirements.

4.   Referring to claims 1, Palmer discloses a system for generating a description

record from video information (column 1, lines 10-12), comprising: at least one video

input interface for receiving said video information (figure 2, part 36); a computer

processor coupled to said at least one video input interface for receiving said video

information therefrom (figure 2, part 30), processing said video information by

performing video object extraction processing to generate video object descriptions from

said video information (column 1, lines 10-15), and processing said generated video

object descriptions by entity relation graph generation processing to generate entity

relation graph descriptions (column 7, lines 46-50); and a data storage system,

operatively coupled to said processor for storing said at least one description record

(column 4, lines 29-31).

Palmer does not disclose a system where processing said generated video

object descriptions by object hierarchy construction and extraction processing to

generate video object hierarchy descriptions, and wherein at least one description

record including said video object descriptions, said video object hierarchy descriptions

and said entity relation graph descriptions is generated to represent content embedded

within said video information.

MEPG-7 Requirements disclose a system where processing said generated

video object descriptions by object hierarchy construction and extraction processing to

generate video object hierarchy descriptions (page 5, figure 1; page 10, lines 4-6), and

wherein at least one description record including said video object descriptions, said

video object hierarchy descriptions and said entity relation graph descriptions is

generated to represent content embedded within said video information (page6, figure

3).

At the time of the invention it would have been obvious to one of ordinary skill in

the art to use a hierarchy of descriptions for the video descriptors disclosed in Palmer

as taught by MPEG-7 Requirements. The motivation for doing this would have been to allow for queries to be processed more efficiently (page 9, bullet 7).

5.   Referring to claim 3, Palmer discloses a system of claim 1, wherein said video object extraction processing comprises: video segmentation processing to segment each video in said video information into regions within said video (figure 4, part 67); and feature extraction and annotation processing to generate one or more feature descriptions for one or more said regions (figure 4, part 73); whereby said generated video object descriptions comprise said one or more feature descriptions for one or more said regions (figure 4, part 76).

Referring to claim 4, Palmer discloses a system of claim 3, wherein said regions are selected from the group consisting of local (figure 4, part 68), segment (figure 4, part 65) and global regions (column 6, lines 63-66).

6.   Referring to claim 5, Palmer discloses a system of claim 3, wherein said one or more feature descriptions are selected from the group consisting of media features (column 5, lines 7-8), visual features (column 4, lines 56-57), and temporal features (column 4, line 55).

Palmer does not disclose a system wherein one of the feature descriptions includes semantic features.

MPEG-7 Requirements discloses a system wherein one of the feature descriptions includes semantic features (page 11, lines 28-29).

At the time of the invention it would have been obvious to one of ordinary skill in the art to add semantic features to the descriptor disclosed in Palmer as taught by

MPEG-7 Requirements. The motivation for doing this would have been to allow for more effective search of video files by having more descriptors describing the video (page 2, bullet 2, lines 4-6).

7.   Referring to claim 6, Palmer does not disclose a system of claim 5, wherein said semantic features are further defined by at least one feature description selected from the group consisting of who, what object, what action, where, when, why, and text annotation.

MPEG-7 Requirements discloses a system of claim 5, wherein said semantic features are further defined by at least one feature description selected from the group consisting of who, what object, what action, where, when, why, and text annotation (page 11, lines 28-29).

At the time of the invention it would have been obvious to one of ordinary skill in the art to add semantic features to the descriptor disclosed in Palmer as taught by MPEG-7 Requirements. The motivation for doing this would have been to allow for more effective search of video files by having more descriptors describing the video (page 2, bullet 2, lines 4-6).

8.   Referring to claim 7, Palmer discloses a system of claim 5, wherein said visual features are further defined by at least one feature description selected from the group consisting of color, texture, position, size, shape, motion, camera motion, editing effect, and orientation (column 4, lines 56-57).

Referring to claim 8, Palmer does not disclose a system of claim 5, wherein said media features are further defined by at least one feature description selected from the

group consisting of file format, file size, color representation, resolution, data file

location, author, creation, scalable layer and modality transcoding.

MPEG-7 Requirements discloses a system of claim 5, wherein said media

features are further defined by at least one feature description selected from the group

consisting of file format, file size, color representation, resolution, data file location,

author, creation, scalable layer and modality transcoding (page 4, lines 23-31; page 4,

bullet 2, lines 2-4).

At the time of the invention it would have been obvious to one of ordinary skill in

the art to add media features to the descriptor disclosed in Palmer as taught by MPEG-

7 Requirements. The motivation for doing this would have been to allow for more

effective search of video files by having more descriptors describing the video (page 2,

bullet 2, lines 4-6).

9.   Referring to claim 9, Palmer discloses a system of claim 5, wherein said temporal

features are further defined by at least one feature description selected from the group

consisting of start time, end time and duration (column 4, lines 59-61).

Referring to claim 10, Palmer does not disclose a system of claim 1, wherein said

object hierarchy construction and extraction processing generates video object

hierarchy descriptions of said video object descriptions based on visual feature

relationships of video objects represented by said video object descriptions.

MPEG-7 Requirements discloses a system of claim 1, wherein said object

hierarchy construction and extraction processing generates video object hierarchy

descriptions of said video object descriptions based on visual feature relationships of

video objects represented by said video object descriptions (page 9, bullet 7; page 4,

lines 23-31).

At the time of the invention it would have been obvious to one of ordinary skill in

the art to add visual features to the descriptor disclosed in Palmer as taught by MPEG-7

Requirements. The motivation for doing this would have been to allow for more

effective search of video files by having more descriptors describing the video (page 2,

bullet 2, lines 4-6).

10.   Referring to claim 11, Palmer does not disclose a system of claim 1, wherein said

object hierarchy construction and extraction processing generates video object

hierarchy descriptions of said video object descriptions based on semantic feature

relationships of video objects represented by said video object descriptions.

MPEG-7 Requirements discloses a system of claim 1, wherein said object

hierarchy construction and extraction processing generates video object hierarchy

descriptions of said video object descriptions based on semantic feature relationships of

video objects represented by said video object descriptions (page 9, bullet 7; page 11,

lines 28-29).

At the time of the invention it would have been obvious to one of ordinary skill in

the art to add semantic features to the descriptor disclosed in Palmer as taught by

MPEG-7 Requirements. The motivation for doing this would have been to allow for

more effective search of video files by having more descriptors describing the video

(page 2, bullet 2, lines 4-6).

Referring to claim 12, Palmer does not disclose a system of claim 1, wherein said object hierarchy construction and extraction processing generates video object hierarchy descriptions of said video object descriptions based on media feature relationships of video objects represented by said video object descriptions.

MPEG-7 Requirements discloses a system of claim 1, wherein said object hierarchy construction and extraction processing generates video object hierarchy descriptions of said video object descriptions based on media feature relationships of video objects represented by said video object descriptions (page 11, lines 15-22).

At the time of the invention it would have been obvious to one of ordinary skill in the art to add media features to the descriptor disclosed in Palmer as taught by MPEG-7 Requirements. The motivation for doing this would have been to allow for more effective search of video files by having more descriptors describing the video (page 2, bullet 2, lines 4-6).

11.   Claim 13 is rejected based on the rejections of claims 10-12.

Referring to claim 14, Palmer does not disclose a system of claim 1, wherein said object hierarchy construction and extraction processing generates video object hierarchy descriptions of said video object descriptions based on relationships of video objects represented by said video object descriptions, wherein said video object hierarchy descriptions have a plurality of hierarchical levels.

MPEG-7 Requirements discloses a system of claim 1, wherein said object hierarchy construction and extraction processing generates video object hierarchy descriptions of said video object descriptions based on relationships of video objects

represented by said video object descriptions, wherein said video object hierarchy

descriptions have a plurality of hierarchical levels (page 10, bullet 9).

At the time of the invention it would have been obvious to one of ordinary skill in

the art to use a hierarchy of descriptions for the video descriptors disclosed in Palmer

as taught by MPEG-7 Requirements. The motivation for doing this would have been to

allow for queries to be processed more efficiently (page 9, bullet 7).

12.   Referring to claims 15-16, Palmer does not disclose a system of claim 14,

wherein said video object hierarchy descriptions having a plurality of hierarchical levels

comprise clustering hierarchies; wherein said clustering hierarchies are based on

relationships of video objects represented by said video object descriptions, wherein

said relationships are selected from a group consisting of visual feature relationships,

semantic feature relationships, temporal relationships and media feature relationships.

MPEG-7 Requirements discloses a system of claim 14, wherein said video object

hierarchy descriptions having a plurality of hierarchical levels comprise clustering

hierarchies (page 5, figure 1); wherein said clustering hierarchies are based on

relationships of video objects represented by said video object descriptions, wherein

said relationships are selected from a group consisting of visual feature relationships,

temporal relationships, media feature relationships (see claim 13's rejection), and

semantic feature relationships (page 11, lines 28-29).

At the time of the invention it would have been obvious to one of ordinary skill in

the art to add semantic/visual/temporal/media features to the descriptor disclosed in

Palmer as taught by MPEG-7 Requirements. The motivation for doing this would have

been to allow for more effective search of video files by having more descriptors

describing the video (page 2, bullet 2, lines 4-6).

13.   Referring to claims 17-18, Palmer does not disclose a system of claim 15,

wherein said video object hierarchy descriptions having a plurality of hierarchical levels

are configured to comprise multiple levels of abstraction hierarchies; wherein said

multiple levels of abstraction hierarchies are configured to be based on relationships of

video objects represented by said video object descriptions, wherein said relationships

are selected from a group consisting of visual feature relationships, semantic feature

relationships, temporal feature relationships and media feature relationships.

        MPEG-7 Requirements discloses a system of claim 15, wherein said video object

hierarchy descriptions having a plurality of hierarchical levels are configured to comprise

multiple levels of abstraction hierarchies (page 5, figure 1); wherein said multiple levels

of abstraction hierarchies are configured to be based on relationships of video objects

represented by said video object descriptions, wherein said relationships are selected

from a group consisting of visual feature relationships, semantic feature relationships,

temporal feature relationships and media feature relationships (see claim 15 & 16's

rejection).

        At the time of the invention it would have been obvious to one of ordinary skill in

the art to add semantic/visual/temporal/media features to the descriptor disclosed in

Palmer as taught by MPEG-7 Requirements. The motivation for doing this would have

been to allow for more effective search of video files by having more descriptors

describing the video (page 2, bullet 2, lines 4-6).

14.   Referring to claim 19, Palmer discloses a system of claim 1, wherein said entity

relation graph generation processing generates entity relation graph descriptions of said

video object descriptions based on relationships of video objects represented by said

video object descriptions (column 7, lines 46-50), wherein said relationships are

selected from the group consisting of visual feature relationships, temporal feature

relationships and media feature relationships (column 4, lines 54-55).

Palmer does not disclose a system wherein relationships are semantic feature

relationships.

MPEG-7 Requirements discloses a system wherein relationships are semantic

feature relationships (page 11, lines 28-29).

At the time of the invention it would have been obvious to one of ordinary skill in

the art to add semantic features to the descriptor disclosed in Palmer as taught by

MPEG-7 Requirements. The motivation for doing this would have been to allow for

more effective search of video files by having more descriptors describing the video

(page 2, bullet 2, lines 4-6).

Referring to claim 20, Palmer discloses a system of claim 1, further comprising a

data storage system is operative to store said encoded description information as said

at least one description record (column 4, lines 29-31).

Palmer does not disclose an encoder for receiving and encoding said video

object descriptions into encoded description information.

MPEG-7 Requirements discloses an encoder for receiving and encoding said

video object descriptions into encoded description information (page 6, figure 3).

At the time of the invention it would have been obvious to one of ordinary skill in the art to use an encoder as taught by MPEG-7 Requirements in the video descriptor disclosed in Palmer. The motivation for doing this would have been to encapsulate the data for searching into the video file itself enabling simpler transferring over the internet.

15.   Referring to claim 21, Palmer discloses a system of claim 1, wherein said video object descriptions (column 1, lines 10-12) and said entity relation graph descriptions are created (column 7, lines 46-50); and wherein said data storage system is operative to store said encoded description information as said at least one description record (column 4, lines 29-31).

Palmer does not disclose a system where said video object hierarchy descriptions and the other descriptions are combined together to form video descriptions, and further comprising an encoder for receiving and encoding said video descriptions into encoded description information.

MPEG-7 Requirements discloses a system where said video object hierarchy descriptions and the other descriptions are combined together to form video descriptions, and further comprising an encoder for receiving and encoding said video descriptions into encoded description information (page 5, figure 1; page 6, figure 3).

At the time of the invention it would have been obvious to one of ordinary skill in the art to use an encoder as taught by MPEG-7 Requirements in the video descriptor disclosed in Palmer. The motivation for doing this would have been to encapsulate the data for searching into the video file itself enabling simpler transferring over the internet.

16.   Referring to claim 23, Palmer does not disclose a system of claim 21, wherein

said encoder comprises an XML encoder.

MPEG-7 Requirements discloses a system of claim 21, wherein said encoder

comprises an XML encoder (page 3, line 21).

At the time of the invention it would have been obvious to one of ordinary skill in

the art to encoded the descriptions in an XML format as taught by MPEG-7

Requirements in the video description system disclosed by Palmer. The motivation for

doing this would have been to use an existing standard that is widely known in the

industry.

Referring to claim 24, Palmer discloses a system of claim 1, further comprising: a

video display device operatively coupled to the computer processor for displaying the

video information (figure 2, part 34); and at least one user input device operatively

coupled to the computer processor (figure 2, parts 16 and 17), wherein at least a portion

of said video object processing includes receiving a user input through manipulation of

said user input device (column 2, line 23; Note: a manual mode is being interpreted as

equivalent to a device requiring user input).

17.   Referring to claim 37, Palmer does not disclose a method of claim 25, wherein

said step of object hierarchy construction and extraction processing generates video

object hierarchy descriptions of said video object descriptions based on temporal

feature relationships of video objects represented by said video object descriptions.

MPEG-7 Requirements discloses a method of claim 25, wherein said step of

object hierarchy construction and extraction processing generates video object

hierarchy descriptions of said video object descriptions based on temporal feature
relationships of video objects represented by said video object descriptions (page 8,
bullet 12b).

At the time of the invention it would have been obvious to one of ordinary skill in
the art to add temporal features to the descriptor disclosed in Palmer as taught by
MPEG-7 Requirements. The motivation for doing this would have been to allow for
more effective search of video files by having more descriptors describing the video
(page 2, bullet 2, lines 4-6).

18.   Referring to claim 43, Palmer does not disclose a method of claim 40, wherein
said multiple levels of abstraction hierarchies are configured to be based on
relationships of video objects represented by said video object descriptions, wherein
said relationships are selected from a group consisting of visual feature relationships,
semantic feature relationships, temporal feature relationships and media feature
relationships.

MPEG-7 Requirements discloses a method of claim 40, wherein said multiple
levels of abstraction hierarchies are configured to be based on relationships of video
objects represented by said video object descriptions (page 9, bullet 7), wherein said
relationships are selected from a group consisting of visual feature relationships,
semantic feature relationships, temporal feature relationships and media feature
relationships (page 6-7, table 1; page 8, bullet 12).

At the time of the invention it would have been obvious to one of ordinary skill in
the art to add semantic/visual/temporal/media features to the descriptor disclosed in

Palmer as taught by MPEG-7 Requirements. The motivation for doing this would have

been to allow for more effective search of video files by having more descriptors

describing the video (page 2, bullet 2, lines 4-6).

19.   Referring to claims 63 and 64, Palmer does not disclose a computer readable

media of claim 62, wherein said video object hierarchy descriptions having a plurality of

hierarchical levels are configured to comprise multiple levels of abstraction hierarchies;

wherein said multiple levels of abstraction hierarchies are configured to be based on

relationships of video objects represented by said video object descriptions, wherein

said relationships are selected from a group consisting of visual feature relationships,

semantic feature relationships, temporal feature relationships and media feature

relationships.

MPEG-7 Requirements disclose a computer readable media of claim 62, wherein

said video object hierarchy descriptions having a plurality of hierarchical levels are

configured to comprise multiple levels of abstraction hierarchies (page 5, figure 1);

wherein said multiple levels of abstraction hierarchies are configured to be based on

relationships of video objects represented by said video object descriptions, wherein

said relationships are selected from a group consisting of visual feature relationships,

semantic feature relationships, temporal feature relationships and media feature

relationships (page 6-7, table 1; page 8, bullet 12).

At the time of the invention it would have been obvious to one of ordinary skill in

the art to use a hierarchy of descriptions for the video descriptors disclosed in Palmer

as taught by MPEG-7 Requirements. The motivation for doing this would have been to allow for queries to be processed more efficiently (page 9, bullet 7).

At the time of the invention it would have been obvious to one of ordinary skill in the art to add semantic/visual/temporal/media features to the descriptor disclosed in Palmer as taught by MPEG-7 Requirements. The motivation for doing this would have been to allow for more effective search of video files by having more descriptors describing the video (page 2, bullet 2, lines 4-6).

20.   Claims 25 and 49 are rejected on the same grounds as claim 1.

       Claims 27 and 50 are rejected on the same grounds as claim 3.

       Claim 28 is rejected on the same grounds as claim 4.

       Claims 29 and 51 are rejected on the same grounds as claim 5.

       Claims 30 and 52 are rejected on the same grounds as claim 6.

       Claims 31 and 53 are rejected on the same grounds as claim 7.

       Claims 32 and 54 are rejected on the same grounds as claim 8.

       Claims 33 and 55 are rejected on the same grounds as claim 9.

       Claims 34 and 56 are rejected on the same grounds as claim 10.

       Claims 35 and 57 are rejected on the same grounds as claim 11.

       Claims 36 and 58 are rejected on the same grounds as claim 12.

       Claim 38 is rejected on the same grounds as claim 13.

       Claims 39 and 60 are rejected on the same grounds as claim 14.

       Claims 40 and 61 are rejected on the same grounds as claim 15.

       Claims 41 and 62 are rejected on the same grounds as claim 16.

Claim 42 is rejected on the same grounds as claim 17.

Claims 44 and 65 are rejected on the same grounds as claim 19.

Claims 45 and 66 are rejected on the same grounds as claim 20.

Claims 46 and 67 are rejected on the same grounds as claim 21.

Claims 48 and 69 are rejected on the same grounds as claim 23.

Claim 59 is rejected on the same grounds as claim 37.

21.   Claims 22, 47, 68, and 70-75 are rejected under 35 U.S.C. 103(a) as being

unpatentable over Palmer in view of MPEG-7 Requirements as applied to claims 1, 21,

25, 46, 49, 67 above, and further in view of Mills.

Referring to claim 22, Palmer and MPEG-7 Requirements do not disclose a

system of claim 21, wherein said encoder comprises a binary encoder.

Mills discloses a system of claim 21, wherein said encoder comprises a binary

encoder (column 20, lines 61-65).

At the time of the invention it would have been obvious to a person of ordinary

skill in the art to use the binary encoding as taught by Mills in the system disclosed by

Palmer and MPEG-7 Requirements. The motivation for doing this would have been to

save space in the file by encoding common terms to that require less bits and therefore

saves space (column 20, lines 65-66).

22.   Claims 47 and 68 are rejected on the same grounds as 22.

Referring to claims 70-75, MPEG-7 Requirements discloses a system where the

descriptions are writing in XML (page 3, line 21).

Palmer and MPEG-7 Requirements do not disclose a system where the feature

descriptions include pointers to extraction and matching code to facilitate code

downloading.

Mills discloses a system where the feature descriptions include pointers to

extraction and matching code to facilitate code downloading (column 1, lines 29-37;

Note: XML code in websites, which facilitate the downloading of files, is being

interpreted as being equivalent to including pointers to facilitate downloading).

At the time of the invention it would have been obvious to one of ordinary skill in

the art to encoded the descriptions in an XML format as taught by MPEG-7

Requirements in the video description system disclosed by Palmer. The motivation for

doing this would have been to use an existing standard that is widely known in the

industry.

Allowable Subject Matter

23.   Claims 2 and 26 are objected to as being dependent upon a rejected base claim,

but would be allowable if rewritten in independent form including all of the limitations of

the base claim and any intervening claims.

Conclusion

24.   The prior art made of record and not relied upon is considered pertinent to

applicant's disclosure.

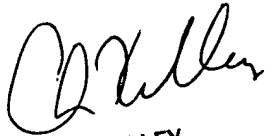MPEG-7 Context and Objectives; October 98.

MPEG-7 Proposal Package Description; October 98.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Justin E. Shepard whose telephone number is (571) 272-5967. The examiner can normally be reached on 7:30-5 M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chris Kelley can be reached on (571) 272-7331. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

JS

CHRIS KELLEY
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600